SEQUENCE LISTINGS

<110> National Cancer Center et al

<120> Neutralizable epitope of HGF and neutralizing antibody binding to same

<130> PCA31170-NCC

<160> 35

<170> KopatentIn 1.71

<210> 1
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<210> 14
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<223> Sense primer HKC-F for amplification of the human Ckappa region and the pelB leader sequence from a cloned human Fab

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ggccatggct ggttgggcag c 21

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<400> 18
gaggaggagg aggaggaggc ggggcccagg cggccgagct c 41

<210> 19
<211> 21
<212> DNA
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<220>
<223> Sense primer LeadVH for PCR assembly of rabbit VH sequences with the human CH1 PCR product

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<210> 20
<211> 39
<212> DNA
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<223> Reverse primer dp-EX for PCR assembly of chimeric light-chain sequences with chimeric heavy-chain (Fd) sequences

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<210> 21
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<400> 21
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<400> 22
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ccagggaagg ggctggagtg gatcggatac attggtacta gtagtggtac cacttactac 180

gcgaactctg tgaagggccg attcaccatc tccagcgaca acgcccagaa taccgtattt 240

ctgcgaatga ccagtctcac agactcggac acggccacct atttctgtgc aagagggctg 300

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<400> 24
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atcaattgcc aggccagtca gagtgttagc aactacttag cctggtatca gcagaaacca 120

gggcagcctc ccaagctcct gatctacagg gcatccactc tggcatctgg ggtcccatcg 180

cgtttcagcg gcagtggatc tgggacagag ttcactctca ccatcagtgg catgaaggct 240

gaagatgctg ccacttatta ctgtcaaagt ggttattata gtgctggtgc gacttttgga 300

ggtggcacca atgtggaaat caaacga 327

<210> 25
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> nucleotide sequence encoding VH region of clone 68

<400> 25
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acctgcaaag cctctggatt caccttcagt acctactaca tgagctgggt ccgccaggct 120

ccagggaagg ggctagagtg gatcggatac attggtacta gtagtggtac cacttactac 180

gcgaactctg tgaagggccg attcaccatc tccagcgaca acgcccagaa taccgtattt 240

ctgcaaatga ccagtctgac agactcggac acggccacct atttctgtgc aagagggctg 300

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gggcagcctc ccaagctcct gatttatggt gcatccaatc tggaatctgg ggtcccatcg 180

cgtttccgtg gcagtggatc tgggacagag ttcactctca ccatcagtgg catgaaggct 240

gaagatgctg ccacttatta ctgtcaaagt ggttattata gtgctggtgc gacttttgga 300

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<210> 27
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Gln Glu Gln Leu Met Glu Ser Gly Gly Arg Leu Val Asn Pro Gly Glu
1 5 10 15

Ser Leu Thr Leu Thr Cys Lys Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Tyr Ile Gly Thr Ser Ser Gly Thr Thr Tyr Tyr Ala Asn Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Gln Asn Thr Val Phe
65 70 75 80

Leu Arg Met Thr Ser Leu Thr Asp Ser Asp Thr Ala Thr Tyr Phe Cys
85 90 95

Ala Arg Gly Leu Gly Arg Ile Asn Leu Trp Gly Pro Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 28
<211> 109
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid sequence of VL region of clone 61

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Glu Leu Val Leu Thr Gln Thr Pro Ser Ser Met Ser Ala Ala Val Gly
1 5 10 15

Gly Thr Val Thr Ile Asn Cys Gln Ala Ser Gln Ser Val Ser Asn Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile
35 40 45

Tyr Arg Ala Ser Thr Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Gly Met Lys Ala
65 70 75 80

Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Ser Gly Tyr Tyr Ser Ala Gly
85 90 95

Ala Thr Phe Gly Gly Gly Thr Asn Val Glu Ile Lys Arg
100 105

<210> 29
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid sequence of VH region of clone 68

<400> 29
Gln Gln Gln Leu Val Glu Ser Gly Gly Arg Leu Val Asn Pro Gly Glu
1 5 10 15

Ser Leu Thr Leu Thr Cys Lys Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Tyr Ile Gly Thr Ser Ser Gly Thr Thr Tyr Tyr Ala Asn Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Gln Asn Thr Val Phe
65 70 75 80

Leu Gln Met Thr Ser Leu Thr Asp Ser Asp Thr Ala Thr Tyr Phe Cys
85 90 95

Ala Arg Gly Leu Gly Arg Ile Asn Leu Trp Gly Pro Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 30
<211> 109
<212> PRT
<213> Artificial Sequence

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<400> 30
Glu Leu Asp Leu Thr Gln Thr Pro Ser Ser Val Ser Ala Ala Val Gly
1 5 10 15

Gly Thr Val Thr Ile Asn Cys Gln Ala Ser Gln Ser Val Ser Asn Leu
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Leu Glu Ser Gly Val Pro Ser Arg Phe Arg Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Gly Met Lys Ala
65 70 75 80

Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Ser Gly Tyr Tyr Ser Ala Gly
85 90 95

Ala Thr Phe Gly Ala Gly Thr Asn Val Glu Ile Lys Arg
100 105

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<400> 31
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<400> 32
His His Pro His Phe Lys Pro Val Ser Asn Ser Arg
1 5 10

<210> 33
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<212> PRT
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<220>
<223> neutralizable epitope of HGF

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Lys Ser Leu Ser Arg His Asp His Ile His His His
1 5 10

<210> 34

<211> 36
<212> DNA
<213> Artificial Sequence

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<223> nucleotide sequence encoding SEQ. ID. No. 32

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<210> 35
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<212> DNA
<213> Artificial Sequence

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<223> nucleotide sequence encoding SEQ. ID. No. 33

<400> 35
aagtctctta gtcggcatga tcatattcat catcat 36